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JCO6 Rec'd PCT/PTO 02 NOV 2005

PATENT  
8074-1103

IN THE U.S. PATENT AND TRADEMARK OFFICE

In re application of

Takeshi AZAMI et al.

Conf.

Application No. NEW NATIONAL PHASE

Group

Filed November 2, 2005

Examiner

CARBON NANOHORN ASSEMBLY PRODUCING METHOD

INFORMATION DISCLOSURE STATEMENT  
(SUBMISSION CONCURRENT WITH THE  
FILING OF A NEW PATENT APPLICATION)

Assistant Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

November 2, 2005

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, and in fulfillment of the duty of disclosure under 37 C.F.R. § 1.56, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications, or other information submitted for consideration by the Office are listed on PTO-1449, attached hereto.

II. COPIES

- ☐ Copies of the U.S. patents or publications are not submitted since the USPTO has waived their submission for applications filed after June 30, 2003.
- ☒ Submitted herewith is a legible copy of (i) each foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed.
- ☐ This application is a National Phase of a PCT application. Some or all of the documents listed on the PTO-1449 are not enclosed because they were cited in the International Search Report and copies should have been forwarded from the International Search Authority pursuant to the trilateral agreement between the USPTO, EPO and JPO, or they are U.S. patents or U.S. published applications. If copies are needed, please contact the undersigned.

III. CONCISE EXPLANATION OF THE RELEVANCE  
(check at least one box)

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a. ☐ **DOCUMENTS IN THE ENGLISH LANGUAGE**

The attached non U.S. patents, non U.S. patent application publications, foreign publications, or other information in the English language do not require a statement of relevancy.

b. ☐ **DOCUMENTS NOT IN THE ENGLISH LANGUAGE**

A concise explanation of the relevance of all patents, publications, or other information listed that is not in the English language is as follows:

c. ☒ **FOREIGN SEARCH REPORT OR ACTION**

An English language version of the search report or action that indicates the degree of relevance found by the foreign office is attached, thereby satisfying the requirement for a concise explanation. See MPEP 609(A)(3).

d. ☐ **OTHER**

The following additional information is provided for the Examiner's consideration.

FEES

This Information Disclosure Statement is being filed concurrently with the filing of a new patent application; therefore, no fee is required.

If The Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned.

Respectfully submitted,

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Enclosures: ☒ Form PTO-1449(s)  
☒ Documents  
☒ Foreign Search Report  
☐ Other: \_\_\_\_\_

# INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Attorney Docket No.:

8074-1103

Application No.:

NEW NATIONAL PHASE

Applicant:

Takeshi AZAMI et al.

Filing Date:

November 2, 2005

Group Art Unit:

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing date (if appropriate)

## FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	2003-020215	1/24/2003	JAPAN				
	2003-119012	4/23/2003	JAPAN				
	62-224669	10/2/1987	JAPAN				
	2001-064004	3/13/2001	JAPAN				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Daisuke KUSAYA et al., Selective production of single-wall carbon nanohorn aggregates and their formation mechanism, J.PHYS. CHEM.B, 2002, Vol. 106, pages 4947 to 4951
	S. IJIMA et al., Naono-aggregates of single-walled graphitic carbon nano-horns, CHEM.PYYS. LETT., 1999, Vol.309, pages 165 to 170
	F. KOKAI et al., Growth dynamics of single-wall carbon nanotubes and nanohorn aggregates by CO <sub>2</sub> laser vaporization at room temperature, APPLIED SURFACE SCIENCE, 2002, Vols. 197 to 198, pages 650 to 655
	Takeshi AZAMI et al., The mass production of carbon nanohorns, Dai 25 Kai Fullerene Nanotube Kinen Symposium, 23 July, 2003 (23.07.03), page 164, [2P-100]
	YOSHITAKE TSUTOMU et al., "CO 2 Laser Ablation-ho o Mochiita Carbon Nanohorn no Seisan Gijutsu Kaihatsu", Laser Kako Gakkaishi, 2003 August, Vol. 10, NO.2, pages 208 to 210

EXAMINER:

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

\* English language abstract provided for the Examiner's convenience

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